

ORION: a Game-Changer in Vibration Monitoring

Over the past 12 months, a revolution in the vibration monitoring landscape has emerged. 01dB (ACOEM Group), the global leader in environmental noise and vibration monitoring, continues to innovate and raise the bar to set new industry standards.

Launched in mid-2016, 01dB ORION is unlike any other vibration monitoring system in the world today. For the first time, consultants, construction industries and environmental agencies can monitor vibration on-site, in one stand-alone, portable instrument. Not only is the data gathered easily accessible, it's also immediate and readily quantifiable.

Specialising in noise and vibration monitoring, 01dB has always placed emphasis on metrology, delivering the most accurate data possible to its global customers. In doing so, 01dB has earned a reputation for excellence for providing world-class monitoring instruments and integrated software that can manipulate large amounts of data and communicate faultlessly with servers.

New technology built on a foundation of expertise

By adding real-time capability and vibration monitoring functionality, 01dB has successfully designed a system that perfectly captures all required data to fulfil global environmental standards and regulations.

Complementing 01dB's suite of noise monitoring instruments (DUO, CUBE and FUSION), ORION is the most advanced 01dB design to date. The first of its kind, ORION has raised the bar to set a new industry standard, revolutionising the way environmental vibration monitoring is captured and processed.



ORION's global footprint is expanding

Awareness of ORION's capabilities is growing steadily. Government authorities and the construction industry have embraced ORION and the concept that this single, easy-to-use and highly portable product is the simple solution to all their vibration monitoring needs.

In a short space of time, ORION has been successfully integrated into a diverse range of construction projects with highlights that include Malaysia, Thailand, United Kingdom, France and Columbia. From measuring vibrations in a cave in the province of Saraburi in central Thailand to help preserve 1000-year-old carvings at a Buddhist temple (Wat Tham Phra Phothisat) at the Prime Minister's request, to ensuring that a new high-rise development in Bangkok was only being worked on during designated times, ORION has become the Thai Pollution Control Board's environmental monitoring instrument of choice.

In Malaysia, the Mass Rapid Transit Corporation is using ORION to provide ongoing vibration monitoring for MRT Line 2, a fully automated and driverless rail system that is currently the largest railway project in Asia.

01dB has now released a 90 second promotional video that outlines the unique functionality of ORION, providing a succinct and easy introduction to 01dB's latest monitoring solution. [Click here](#) to watch the video.



01dB is a brand of ACOEM and contributes to reducing noise or vibrations to levels required by regulations or set out in sustainable development strategies.
For more information, visit our website at 01db.com.

ACOEM, reduce your environmental impact

In today's fast-moving world, the environment is increasingly impacted. The ACOEM Group is committed to sustainable development and help companies and public authorities limit their environmental impact by offering products and services that:

- Prevent and control air, noise and vibration pollution
- Increase the productivity and reliability of industrial machinery
- Contribute to the development of effective, robust & noiseless products
- Protect soldiers, sites and vehicles in military theaters of operation

Across the world, ACOEM's 670 employees innovate in the measurement, analysis and control of all environmental parameters through the 01dB, ECOTECH, ONEPROD, FIXTURLASER, MEAX and METRAVIB brands.
For more information, please visit our website at acoemgroup.com.

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